

Computer Software  
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# National Competency Diagnostic Test

user's manual

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## Loading the Program Disk

### Apple Version:

1. Insert the program disk.
2. Turn on the computer.

### IBM and Tandy Version:

1. Insert a diskette with the Disk Operating System (DOS) into the disk drive.
2. Turn on the computer.
3. Enter the date.
4. Press return.
5. Press return when it asks you for the time.
6. Take out the DOS disk.
7. Insert the program disk.
8. Type MENU.
9. Press return.

### Macintosh Version:

1. Turn on the computer.
2. Insert the program disk into the disk drive.
3. Click on the National Competency disk icon.
4. Click on the MENU file icon.
5. Press return or click OK on the printer screen.
6. Press return or click OK again on the printer screen.

## Networking Instructions

### Apple Version:

1. Use National Competency as the name for the first menu in your batch file.
2. Use the name of the subject area (i.e. Math, Science) as the name for the second menu in your batch file.
3. To start the program type RUN COMPILER.SYSTEM and press return. If you wish to use a different name, you may rename the compiler.system.

### IBM Version:

\* The program can be installed to any drive, i.e. drive C:, D:, E:, etc.

The following instructions install the program onto drive C. To install and load the program to a different drive follow the same steps but type the letter of the drive you want to specify instead of C.

### Directions to install the program onto a networking system:

1. Insert the program disk into drive A.
2. Select a drive where you want the program to reside. (i.e. drive C:)
3. Type INSTALL C:\NET at the A:\>prompt and press return. This makes a directory called NET.
4. Wait until all files are copied into the directory called NET.

### Directions to load the program after it has been installed onto a networking system:

1. Switch to the drive you specified above (i.e. drive C) by typing C: and press return.
2. Switch to the directory called NET by typing CDNET and press return.
3. Type NETMENU at the C:\NET> prompt and press return.

## Option 1 Randomly Create Test

To create a new test:

Select option 1 from the National Competency Diagnostic Test menu and then press return.

The computer will automatically generate a random test from the database of questions and return to the menu.

National Competency Diagnostic Test Menu:

If you miss any questions, you will be given the correct answer.

Enter number 1 before selecting 2, 3, or 4

- 1- Randomly create test
- 2- Print test questions
- 3- Student test on video
- 4- Edit printer codes
- 5- Exit program

ENTER SELECTION 1-5: ?

## Option 2 Print Test Questions

To print the test:

Select option 2 from the National Competency Diagnostic Test menu and then press return.

For the first test you print after loading the program you need to set the printer codes for your printer. The computer will respond with the following message:

Load an existing set of printer codes from a file (Y or N)?

\*\*You can edit the printer codes at any time from the main menu by selecting option 4.

Type Y if want to load printer codes that have already been saved. Enter the filename with your printer codes. Type D for the directory if you need the name of the file. Type C to continue for the main menu. Select item 7 if all codes are as needed for your printer.

Type N to enter new codes for your printer. Select the numbers of the items you want to change. Type the appropriate codes for your printer. Selected printer codes are available in Appendix A. If your printer codes are not listed then check the manual which came with your printer.

Select item 7 to save your printer codes and return to the National Competency Diagnostic Test menu. Enter a filename (do not use any spaces).

Printer code screen:

Printer codes filename:

Item number	Printer code
1 - Escape code.....	27
2 - Printer initialization code.....	64
3 - Subscript on.....	83 1
4 - Subscript off.....	84
5 - Superscript on.....	83 0
6 - Superscript off.....	84
7 - Exit and save printer codes	

Enter item number (1-7):

The questions listed below will be asked. Answer the questions accordingly. Some of the questions have a preset response. Therefore unless you change the answer, it will assume the preset response.

The answer key and student answer sheet give the name of the objective being tested for each question.

Questions presented below the National Competency Diagnostic Test menu:

Press M to return to menu  
Start number for questions: 1  
Enter title for test:  
Standard print out (8 1/2 X 11): Y  
Print answer key: Y  
Print student answer sheet: Y  
Turn on printer please and press RETURN when ready

After your test has been printed, you will be asked if you would like another version. You can print as many versions of the test as you like. Each new version will have answer key and student answer sheet that correspond with the new version.

## Option 3 Student Test on Video

To work at the computer on a test:

Select option 1, randomly create test, from the National Competency Diagnostic Test menu and then press return. The computer will automatically generate a new random test and then return to the menu.

Select option 3, student test on video, from the National Competency Diagnostic Test menu and then press return.

Questions will appear one at a time on the screen. The student must enter a multiple-choice answer to each question. Feedback will be given to inform the student if the answer is correct. If a wrong answer is given, the computer will display the correct multiple-choice answer.

The student test on video will continue until all test questions have been asked. To stop before all the questions have been displayed, type Q instead of the multiple-choice answer and then press return. Or after the question has been answered type S and press return to stop.

A sample question from a student test on video:

10. Divide:

7) 385

1) 56 2) 155 3) 55 4) 65

ANSWER 3

Correct answer!!!

Press RETURN to continue, S to stop.

After the test is finished the computer will display the results. A percentage score for the entire test and a summary by topic will be given. Press return to continue.

The computer will respond with the following message:

Would you like a print out of the results (Y or N) ?

Type Y to print the test results or N to return to the menu.

**\*\*Specific to National Competency Diagnostic Test Science**

As well as printing the test results for each area, a diagnosis is given that refers them to the PPSI Self-Help Science programs for further study.

## Option 4      Edit Printer Codes

To set up the National Competency Diagnostic Test program to work with your printer:

Select option 4 from the National Competency Diagnostic Test menu and then press return. The computer will respond with the following message:

Load an existing set of printer codes from a file (Y or N)?

Type Y if want to load printer codes that have already been saved. Enter the filename with your printer codes. Type D for the directory if you need the name of the file. Type C to continue for the main menu. Select item 7 if all codes are as needed for your printer.

Type N to enter new codes for your printer. Select the numbers of the items you want to change. Type the appropriate codes for your printer. Selected printer codes are available in Appendix A. If your printer codes are not listed then check the manual which came with your printer.

Select item 7 to save your printer codes and return to the National Competency Diagnostic Test. Enter a filename (do not use any spaces).

Printer code screen:

Printer codes filename:

Item number	Printer code
1 - Escape code.....	27
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4 - Subscript off.....	84
5 - Superscript on.....	83 0
6 - Superscript off.....	84
7 - Exit and save printer codes	

Enter item number (1-7):

## Option 5      Exit Program

To leave the National Competency Diagnostic Test program:

Select option 5, exit program, from the National Competency Diagnostic Test menu and press return.

Remove the disk from the disk drive and turn off the machine.

# Appendix A

## Printer Codes

C.ITO	CITIZEN	EPSON	EPSONFX
27	27	27	27
64	25	64	64
73 31	83 1	83 1	83 1
73 30	84	84	84
73 32	83 0	83 0	83 0
73 30	84	84	84
EPSONGRA.FT	EPSONLQ	FUJITSU	GEMINI
27	27	27	27
64	64	64	64
83 1	83 1	83 1	83 1
84 72	84	84	84 80
83 0	83 0	83 0	83 0
84 72	84	84	84 80
IBM	IBMPRO	IBMPRO.II	IBMQUIET.WRI
27	27	27	27
64	64	64	64
83 1	83 1	83 1	83 1
84	84	84	84
83 0	83 0	83 0	83 0
84	84	84	84
IMAGEWRITER	NECP6	NECP5P7	OKIDATA.84
27	27	27	27
25	64	64	64
121	83 1	83 1	74
122	84	84 80	75
120	83 0	83 0	76
122	84	84	77
OKIDATA.92	OKIDATA.93	OKIDATA.192	PANASONI.CI
27	27	2	27
5	64	6	64
74	74	74	83 1
75	75	7	84
76	76	76	83 0
77	77	7	84

PANASONI.C2	PANASONI.C3	PANASONI.C4	TOSHIBA
27	27	27	27
64	64	64	64
83 0	83 0	83 0	30 3 10
84 72	84 80	84 80	10 66
83 1	83 1	83 1	30 4 10
84 72	84 80	84 80	10 66